PHILOSOPHICAL TRANSACTIONS.

Munday, *Januar.* 8. 166¼.

The Contents.

An Account of the Tryals, made in Italy *of* Campani's *new Optick Glaſſes. A further Relation of the Whale-fiſhing about the* Bermudas, *and upon the Coaſt of* New England, *and* New Netherland. *Of a remarkable Spring of* Paderborn *in* Germany. *Of ſome other uncommon Springs at* Baſel *and in* Alſatia. *Of the richeſt Salt-ſprings in* Germany. *Some Obſervations of Strange Swarms of* Inſects, *and the miſchiefs done by them: as alſo of the Brooding of Snakes and Vipers. Obſervations of odd Conſtitutions of humane Bodies. Of a way, uſed in* Italy, *of preſerving Ice and Snow by* Chaffe. *Directions for Sea-men bound for far Voyages, drawn up by Maſter* Rook, *late* Geometry *Profeſſour of* Greſham Colledge. *Some Obſervations of* Jupiter; *Eclipſed by one of his* Satellites: *and of his Converſion about his* Axis. *Of ſome Philoſophical and Curious Books, that are ſhortly to come abroad.*

An Account of the Tryalls, made in Italy *of* Campani's *new* Optick Glaſſes.

AN Inquiſitive *Pariſian* writes to his Correſpondent in *London*, as follows;

We received lately news from *Rome*, from a very Curious Perſon of our acquaintance, importing, that *Campani* hath had the advantage of *Divini*. The Great Duke of *Toſkany*, and Prince *Leopold*, his Brother, upon Tryal, made of both their Glaſſes, have found thoſe of *Campani* excel the other, and with them they have been able, eaſily to diſtinguiſh people

at 4 Leagues diſtance: Of which I intend you more particulars hereafter.

Among them are expected the *Length* of theſe *Teleſcopes*, and the Largeneſs of the *Aperture* of their *Object-glaſſes*. In the mean time, the *Parabolical-glaſſes*, formerly mentioned to be in hand here at *London*, are finiſhing with all poſſible care and induſtry.

A Further Relation of the Whale-fiſhing *about the* Bermudas, *and on the Coaſt of* New-England *and* New-Netherland.

The ſame Perſon, that communicated the particulars about the new Whale-fiſhing near the *Bermudas*, mentioned in the firſt of theſe *Tracts*, gives this further Information; That there have been ſince taken by order of the *Bermudas* Company, ſixteen of thoſe Whales, the Oyle whereof, to the quantity of 50 or 60 Tuns arrived in *Ireland* at *Limrick*, ſome few months agoe.

He adds, that about two years ſince, there ſtranded upon the Coaſt of *New-England* a dead Whale, of that ſort, which they call *Trumpo*, having Teeth reſembling thoſe of a Mill, and its mouth at a good diſtance from, and under the Noſe or Trunk, and ſeveral boxes or partitions in the Noſe, like thoſe of the Tailes in Lobſters; and that that being open'd there run out of it a thin oily ſubſtance, which would candy in time; after which, the remainder, being a thick fatty ſubſtance, was taken out of the ſame part, with a ſcoope. And this ſubſtance he affirmed to be the *Sperma Ceti*; adding further, that the *Blubber*, as they call it, it ſelf, of the ſame ſort of Whales, when ſtewed, yields on the top a creamy ſubſtance, which taken off, and thrown upon white wine, lets fall a dirty heterogeneous ſediment, but what remains aloft, affords a *Sperma-Ceti*-like matter.

He